AMENDMENTS TO THE CLAIMS

1. (Currently amended) ~~Compounds~~ A compound having the structural formula

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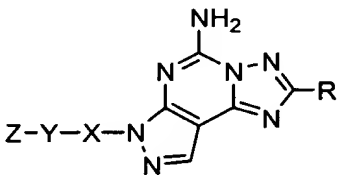

or a pharmaceutically acceptable salt thereof, wherein

R is R^1-furanyl, R^1-thienyl, R^1-pyridyl, R^1-pyridyl N-oxide, R^1-oxazolyl, R^{10}-phenyl, R^1-pyrrolyl or C_4-C_6 cycloalkenyl;

X is C_2-C_6 alkylene or $-C(O)CH_2$-;

Y is $-N(R^2)CH_2CH_2N(R^3)$-, $-OCH_2CH_2N(R^2)$-, -O-, -S-, $-CH_2S$-, $-(CH_2)_2-NH$-, or

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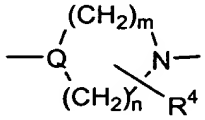

and

Z is R^5-phenyl, R^5-phenyl(C_1-C_6)alkyl, R^5-heteroaryl, diphenylmethyl, R^6-C(O)-

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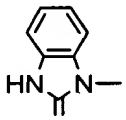

, R^6-SO_2-, R^6-OC(O)-, R^7-$N(R^8)$-C(O)-, R^7-$N(R^8)$-C(S)-, , phenyl-CH(OH)-, or

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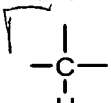

phenyl-C(=NOR^2)-; or when Q is , Z is also phenylamino or pyridylamino;

or

Z and Y together are

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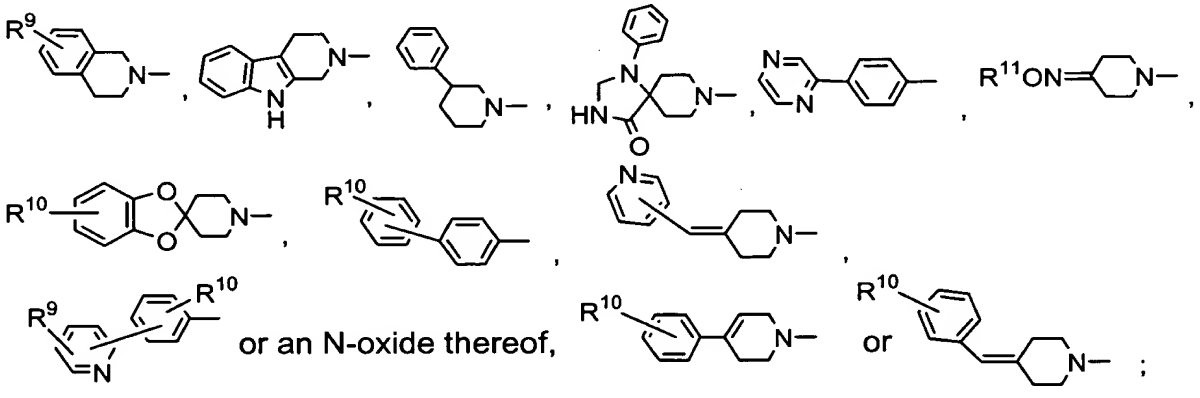


or an N-oxide thereof,

or

;

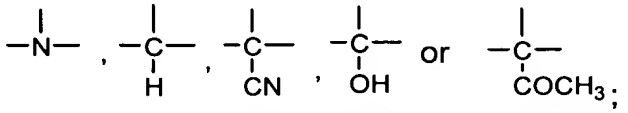
A

R^1 is 1 to 3 substituents independently selected from hydrogen, C_1-C_6-alkyl, -CF_3, halogen, –NO_2, –$NR^{12}R^{13}$, C_1-C_6 alkoxy, C_1-C_6 alkylthio, C_1-C_6 alkylsulfinyl, and C_1-C_6 alkylsulfonyl;

R^2 and R^3 are independently selected from the group consisting of hydrogen and C_1-C_6 alkyl;

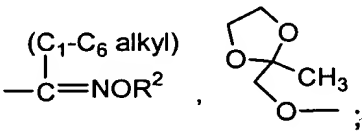
m and n are independently 2-3;

Q is



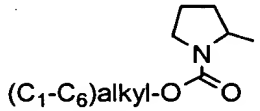
R^4 is 1-2 substituents independently selected from the group consisting of hydrogen and C_1-C_6alkyl, or two R^4 substituents on the same carbon can form =O;

R^5 is 1 to 5 substituents independently selected from the group consisting of hydrogen, halogen, C_1-C_6 alkyl, hydroxy, C_1-C_6 alkoxy, -CN, di-((C_1-C_6)alkyl)amino, -CF_3, -OCF_3, acetyl, -NO_2, hydroxy(C_1-C_6)alkoxy, (C_1-C_6)-alkoxy(C_1-C_6)alkoxy, di-((C_1-C_6)-alkoxy)(C_1-C_6)alkoxy, (C_1-C_6)-alkoxy(C_1-C_6)alkoxy-(C_1-C_6)-alkoxy, carboxy(C_1-C_6)-alkoxy, (C_1-C_6)-alkoxycarbonyl(C_1-C_6)alkoxy, (C_3-C_6)cycloalkyl(C_1-C_6)alkoxy, di-((C_1-C_6)alkyl)amino(C_1-C_6)alkoxy, morpholinyl, (C_1-C_6)alkyl-SO_2-, (C_1-C_6)alkyl-SO-(C_1-C_6)alkoxy, tetrahydropyranyloxy, (C_1-C_6)alkylcarbonyl(C_1-C_6)-alkoxy, (C_1-C_6)-alkoxycarbonyl, (C_1-C_6)alkylcarbonyloxy(C_1-C_6)-alkoxy, -SO_2NH_2, phenoxy,



; or adjacent R^5 substituents together are –O-CH_2-O-, -O-CH_2CH_2-O-, –O-CF_2-O- or -O-CF_2CF_2-O- and form a ring with the carbon atoms to which they are attached;

R^6 is (C_1-C_6)alkyl, R^5-phenyl, R^5-phenyl(C_1-C_6)alkyl, thienyl, pyridyl, (C_3-C_6)-cycloalkyl, (C_1-C_6)alkyl-OC(O)-NH-(C_1-C_6)alkyl-, di-((C_1-C_6)alkyl)aminomethyl, or



;

R^7 is (C_1-C_6)alkyl, R^5-phenyl or R^5-phenyl(C_1-C_6)alkyl;

R^8 is hydrogen or C_1-C_6 alkyl; or R^7 and R^8 together are $-(CH_2)_p$-A-$(CH_2)_q$, wherein p and q are independently 2 or 3 and A is a bond, $-CH_2$-, -S- or -O-, and form a ring with the nitrogen to which they are attached;

R^9 is 1-2 groups independently selected from hydrogen, C_1-C_6 alkyl, hydroxy, C_1-C_6 alkoxy, halogen, $-CF_3$ and (C_1-C_6)alkoxy(C_1-C_6)alkoxy ;

R^{10} is 1 to 5 substituents independently selected from the group consisting of hydrogen, halogen, C_1-C_6 alkyl, hydroxy, C_1-C_6 alkoxy, -CN, $-NH_2$, C_1-C_6alkylamino, di-((C_1-C_6)alkyl)amino, $-CF_3$, $-OCF_3$ and $-S(O)_{0-2}$(C_1-C_6)alkyl;

R^{11} is H, C_1-C_6 alkyl, phenyl, benzyl, C_2-C_6 alkenyl, C_1-C_6 alkoxy(C_1-C_6)alkyl, di-((C_1-C_6)alkyl)amino(C_1-C_6)alkyl, pyrrolidinyl(C_1-C_6)alkyl or piperidino(C_1-C_6)alkyl;

R^{12} is H or C_1-C_6 alkyl; and

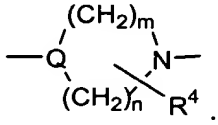
R^{13} is (C_1-C_6)alkyl-C(O)- or (C_1-C_6)alkyl-SO_2-;

wherein heteroaryl is a single ring or benzofused heteroaromatic group, or an N-oxide thereof, of 5 to 10 atoms comprised of 2 to 9 carbon atoms and 1 to 4 heteroatoms independently selected from the group consisting of N, O and S, provided that the rings do not include adjacent oxygen atoms, adjacent sulfur atoms, or adjacent oxygen and sulfur atoms.

2. (Original) A compound of claim 1 wherein R is R^1-furanyl.

3. (Original) A compound of claim 1 wherein X is C_2-C_6 alkylene.

4. (Original) A compound of claim 1 wherein Y is



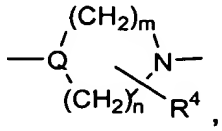
5. (Original) A compound of claim 4 wherein Q is $-\overset{|}{N}-$ or $-\overset{|}{CH}-$.

6. (Original) A compound of claim 5 wherein m and n are each 2, and R^4 is H.

7. (Original) A compound of claim 1 wherein Z is R^5-phenyl, R^5-heteroaryl, R^6-C(O)- or R^6-SO_2-.

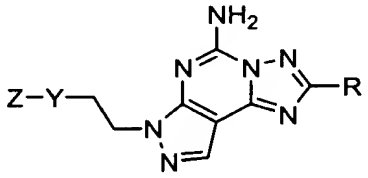
8. (Original) A compound of claim 7 wherein R^5 is H, halogen, C_1-C_6 alkyl, C_1-C_6 alkoxy, hydroxy(C_1-C_6)alkoxy or (C_1-C_6)alkoxy(C_1-C_6)alkoxy, or R^6 is R^5-phenyl.

9. (Original) A compound of claim 1 wherein R is R^1-furanyl, X is C_2-C_6 alkylene, Y is

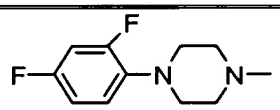
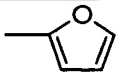
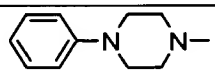
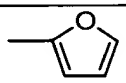
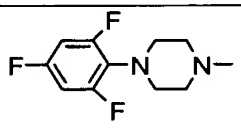
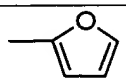
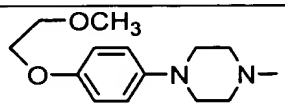
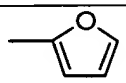
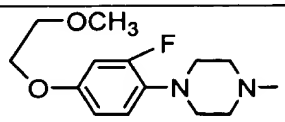
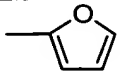


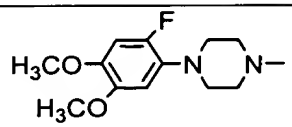
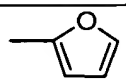
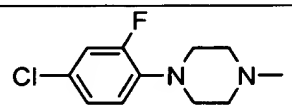
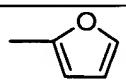
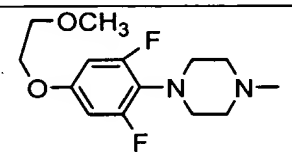
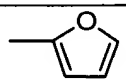
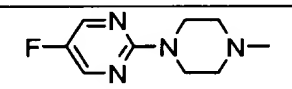
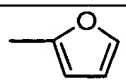
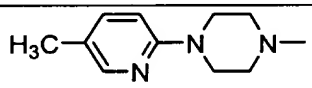
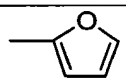
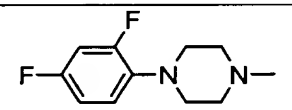
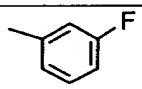
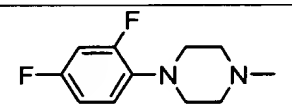
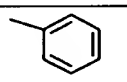
Q is $-\overset{|}{N}-$ or $-\overset{|}{CH}-$, m and n are each 2, R^4 is H, Z is R^5-phenyl, R^5-heteroaryl, R^6-C(O)- or R^6-SO_2-, R^5 is H, halogen, C_1-C_6 alkyl, C_1-C_6 alkoxy, hydroxy(C_1-C_6)alkoxy or (C_1-C_6)alkoxy(C_1-C_6)alkoxy, and R^6 is R^5-phenyl.

10. (Original) A compound of claim 1 selected from the group consisting of compounds of the formula



wherein R and Z-Y are as defined in the following table:

Z-Y-	R
	
	
	
	
	

14
11. (Original) A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 1 in a pharmaceutically acceptable carrier.

15
12. (Original) A method of treating central nervous system diseases or stroke, comprising administering an effective amount of a compound of formula I to a mammal in need of such treatment.

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16 15
13. (Original) A method of claim 12 for treating depression, cognitive diseases and neurodegenerative diseases.

17 16
14. (Original) A method of claim 13 for treating Parkinson's disease, senile dementia or psychoses of organic origin.

Claims 15-20 (Withdrawn)

A

11

21. (New) A compound of claim 1 wherein Z is R^5-heteroaryl and heteroaryl is selected from the group consisting of pyridyl, oxazolyl, isoxazolyl, oxadiazolyl, furanyl, pyrrolyl, thienyl, imidazolyl, pyrazolyl, tetrazolyl, thiazolyl, isothiazolyl, thiadiazolyl, pyrazinyl, pyrimidyl, pyridazinyl, triazolyl, indolyl, quinolyl, isoquinolyl, phthalazinyl, benzothienyl, benzimidazolyl, benzofuranyl, benzoxazolyl and benzofurazanyl, or an N-oxide thereof.

12 11

22. (New) A compound of claim 21 wherein heteroaryl is selected from the group consisting of pyridyl, pyridyl N-oxide, thiazolyl, pyrazinyl, pyrimidyl, quinolyl and benzimidazolyl.

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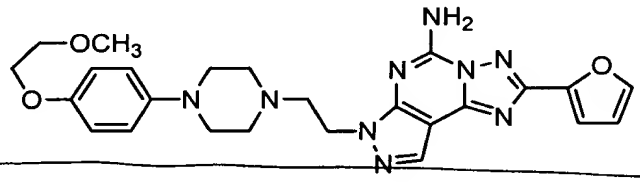
23. (New) The compound having the structure



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